SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2206
CALIBRATION DATE: 19-Nov-99

SBE4 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Seimens/meter

GHIJ COEFFICIENTS

```
g = -1.05188838e+001
h =  1.66644914e+000
i = -2.08332774e-003
j =  2.41567486e-004
CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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ABCDM COEFFICIENTS

```
a =  4.31263949e-007
b =  1.66117581e+000
c = -1.05091241e+001
d = -8.51208119e-005
m =  6.4
CPcor = -9.5700e-008 (nominal)
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BATH TEMP (ITS-90)	BATH SAL (PSU)	BATH COND (Siemens/m)	INST FREO (kHz)	INST COND (Siemens/m)	RESIDUAL (Siemens/m)
0.0000	0.0000	0.00000	2.51520	0.00000	0.00000
-1.3923	34.9994	2.78462	4.80448	2.78456	-0.00007
1.1476	34.9982	3.00288	4.93930	3.00295	0.00007
15.2662	34.9959	4.31751	5.68333	4.31752	0.00002
18.7040	34.9933	4.65985	5.86150	4.65983	-0.00002
29.2474	34.9833	5.75292	6.39702	5.75290	-0.00002
32.6866	34.9689	6.11973	6.56687	6.11975	0.00002

Conductivity = $(g + hf^2 + if^3 + jf^4) / 10(1 + \delta t + \varepsilon p)$ Siemens/meter

Conductivity = $(af^m + bf^2 + c + dt) / [10 (1 + \varepsilon p)$ Siemens/meter

t = temperature[°C)]; p = pressure[decibars]; δ = CTcor; ε = CPcor;

Residual = (instrument conductivity - bath conductivity) using g, h, i, j coefficients